

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claim 1 in accordance with the following:

1. (currently amended) A method for automatically configuring a technology module, for representing and controlling a technical process system that is connected to a computer user station via at least one interface for transferring data, comprising:

a user specifying type of at least one process element of the process system and start address of a memory module associated with the process element; and

automatically creating the technology module by allocating at least one signaling functional element, at least one ~~an~~-archive data functional element that archives state or process data of the process element over a predetermined period of time, and at least one picture functional element to the process element based on the selected type of the at least one process element,

wherein the technology module and the at least one signaling element, archive data element or picture element are stored as a logically connected unit at a specific memory location;

wherein the logically connected unit is centrally processed and managed, and

wherein the automatically creating comprises:

analyzing the selected type of the at least one process element to determine corresponding functional elements,

retrieving the determined functional elements comprising the at least one signaling functional element, the at least one archive data functional element and the at least one picture functional element, that are assigned to the analyzed selected type of the at least one process element; and

automatically allocating the retrieved functional elements to the technology module.

2. (original) The method as claimed in Claim 1, wherein the data comprises at least one of process data, state data, open-loop data, and closed-loop control data.

3. (original) The method as claimed in Claim 1, wherein a plurality of types of process elements are stored in a library.

4. (original) The method as claimed in Claim 3, wherein the library is provided in the computer user station.

5. (previously presented) The method as claimed in Claim 1, wherein the at least one signaling functional element, archive data functional element or picture functional element is assigned respectively to individual types of process elements.

6. (previously presented) The method as claimed in Claim 5, wherein the at least one signaling functional element, archive data functional element and picture functional element is assigned to a group of types of process elements.

7. (previously presented) The method as claimed in Claim 5, further comprising modifying the allocation of the signaling functional element, archive data functional element or picture functional element to the individual types of process elements.

8. (previously presented) The method as claimed in Claim 6, further comprising modifying the allocation of the signaling functional element, archive data functional element or picture functional element to the group of types of process elements.

9. (previously presented) The method as claimed in Claim 1, wherein the signaling functional element is configured to detect object-specific signals of the process element in the computer user station.

10. (previously presented) The method as claimed in Claim 1, wherein the archive data functional element is configured to archive at least one of state data or process data of the process element in the computer user station.

11. (previously presented) The method as claimed in Claim 1, wherein the picture functional element is configured to display at least one of object-specific signals, state variables or process variables of the process element on the user interface of the computer user station.

12. (previously presented) The method as claimed in Claim 1, wherein said assigning and said automatic creating are during configuration of the technology module.

13. (previously presented) The method as claimed in Claim 12, wherein during said automatic creating, a technology module is generated to correspond to the at least one process element specified by the user and wherein, for the generated technology module, at least one of the signaling functional element, the archiving functional element, and the picture functional element is automatically created and allocated.

14. (previously presented) The method according to claim 1, wherein the signaling functional element, the archive data functional element and the picture functional element are assigned to the specified type of the process elements.

15. (canceled).

16. (previously presented) The method according to claim 1, wherein the technology module is an operator communication block provided on a user interface which displays representation and control of at least a portion of the technical process system.